

Title (en)  
VHF DC-DC power supply.

Title (de)  
VHF-Gleichstrom-Gleichstrom-Leistungsversorgung.

Title (fr)  
Alimentation de puissance à convertisseur courant continu - courant continu fonctionnant en VHF.

Publication  
**EP 0399561 A2 19901128 (EN)**

Application  
**EP 90110001 A 19900525**

Priority  
US 35740089 A 19890525

Abstract (en)  
A DC to DC power supply including an RF driver circuit for providing an RF output drive signal having a frequency greater than about 50 MHz, power amplifier circuitry (60) responsive to the RF output drive signal and a DC voltage supply for providing an amplified AC output, and an impedance transforming circuit (80) such as a balun transformer for transforming the AC amplified output to an impedance transformed AC signal. The transformed AC signal is provided to a rectifying circuit (90) which provides a DC output. A feedback regulation control circuit (100) provides for regulation of the power supply output voltage. The DC to DC power supply is advantageously implemented with printed microstrip or stripline passive components.

IPC 1-7  
**H02M 3/28; H02M 3/335**

IPC 8 full level  
**G05F 1/10** (2006.01); **G05F 1/565** (2006.01); **H02M 3/28** (2006.01); **H03G 3/20** (2006.01)

CPC (source: EP KR US)  
**G05F 1/565** (2013.01 - EP US); **H02M 3/135** (2013.01 - KR); **H02M 3/28** (2013.01 - EP US); **H02M 3/335** (2013.01 - KR)

Cited by  
US5939866A; US6917245B2; WO9845931A1; WO0223716A3; US6828859B2; US7145396B2; US6894565B1; US7173491B2; US7106137B2; US6897730B2; US6927630B2; US6727754B2; US6549071B1; US6788141B2; US8149064B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 90110001 A 19900525**; AU 5600290 A 19900528; CA 2017547 A 19900525; DE 69017080 T 19900525; ES 90110001 T 19900525; IL 9454690 A 19900529; JP 13694590 A 19900525; KR 900007733 A 19900525; US 35740089 A 19890525